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DERWENT-ACC-NO: 2000-166871

DERWENT-WEEK: 200016

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TITLE: Thin-film transistor circuit for <u>active matrix</u> type semiconductor

display device - has predetermined number of analog buffer circuits consisting

of differential circuits and current mirror circuits, which are connected in

parallel

PATENT-ASSIGNEE: SEMICONDUCTOR ENERGY LAB[SEME]

PRIORITY-DATA: 1998JP-0118092 (April 28, 1998)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE

PAGES MAIN-IPC

JP 2000022462 January 21, 2000 N/A

019 H03F 003/68

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APPLICATION-DATA:

PUB-NO APPL-DESCRIPTOR APPL-NO

APPL-DATE

JP2000022462A N/A 1999JP-0048578

February 25, 1999

INT-CL (IPC): G02F001/136; H01L021/336; H01L027/08;

H01L029/786;

H03F003/45; H03F003/68

ABSTRACTED-PUB-NO: JP2000022462A

BASIC-ABSTRACT: NOVELTY - Predetermined number of analog buffer circuits

(A1-An) consisting of differential circuits (B1-Bn) and current mirror circuits

(C1-C3), are connected in $\underline{parallel}$. DETAILED DESCRIPTION - An INDEPENDENT

CLAIM is also included for an <u>active matrix</u> type semiconductor display device.

USE - For active matrix type semiconductor display device.

ADVANTAGE - Characteristic variation of analog buffer causing image

irregularity of semiconductor display device, can be suppressed.

High-resolution semiconductor display device can be offered. DESCRIPTION OF

 ${\tt DRAWING}(S)$ - The figure shows the circuit component of the analog buffer

circuit. (A1-An) Analog buffer circuits; (B1-Bn) Differential circuits;

(C1-C3) Current mirror circuits.

CHOSEN-DRAWING: Dwg.1/14

TITLE-TERMS:

THIN FILM TRANSISTOR CIRCUIT ACTIVE MATRIX TYPE
SEMICONDUCTOR DISPLAY DEVICE
PREDETERMINED NUMBER ANALOGUE BUFFER CIRCUIT CONSIST
DIFFERENTIAL CIRCUIT
CURRENT MIRROR CIRCUIT CONNECT PARALLEL

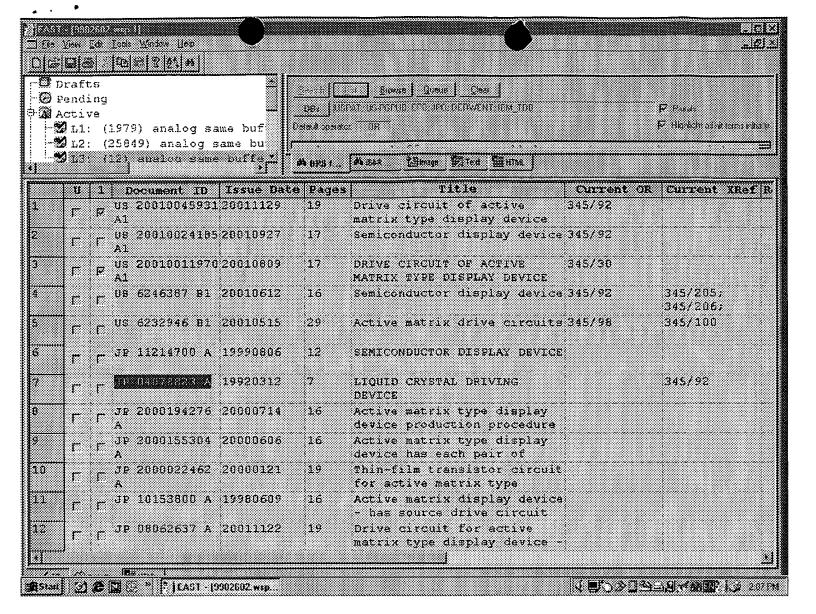
DERWENT-CLASS: P81 U12 U14 U24

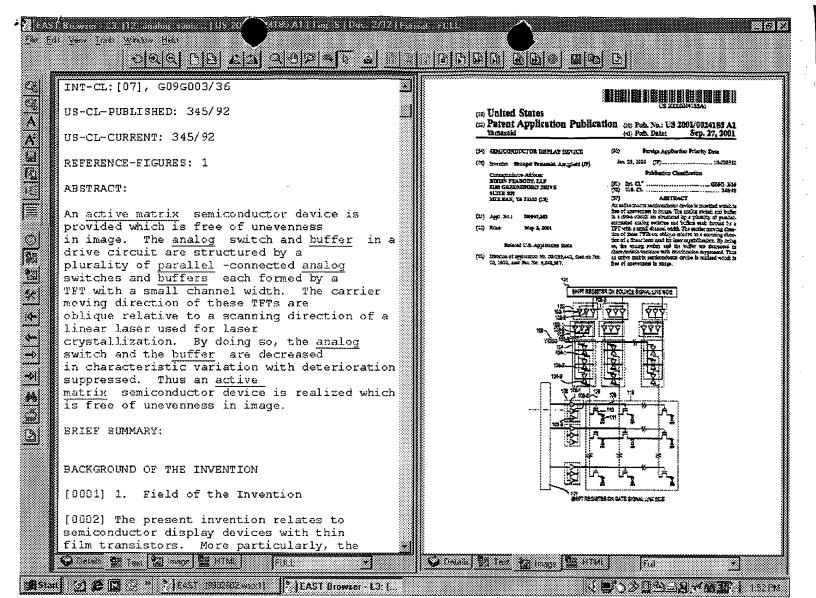
EPI-CODES: U12-B03A; U14-K01A2B; U14-K01A3; U24-G02A1; U24-G02F2;

SECONDARY-ACC-NO:

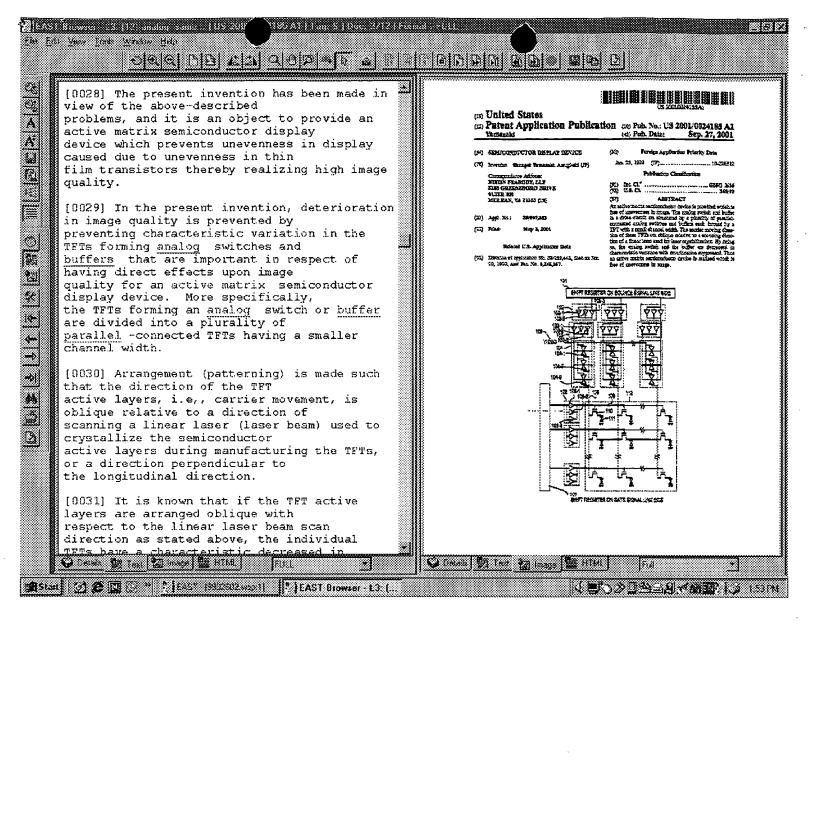
Non-CPI Secondary Accession Numbers: N2000-125365

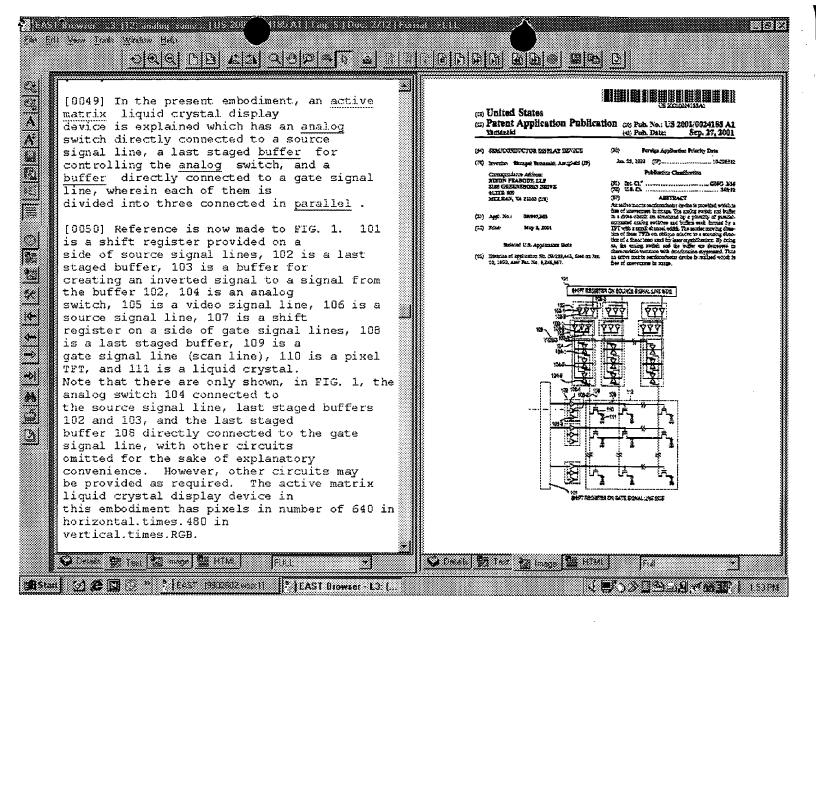
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Number				
1	1979	analog same buffer same parallel	USPAT;	2002/08/22
			US-PGPUB;	13:47
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
2	25849	analog same buffer same parallel samd	USPAT;	2002/08/22
		(active adj matrix)	US-PGPUB;	13:47
		i i	EPO; JPO;	1
			DERWENT;	
			IBM TDB	
3	12	analog same buffer same parallel same	USPAT;	2002/08/22
		(active adj matrix)	US-PGPUB;	13:48
			EPO; JPO;	1
			DERWENT;	
			IBM TDB	





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L	Hits	Search Text	DB	Time stamp
Number				_
15	. 15	"5335023"	USPAT;	2002/08/22
			US-PGPUB;	18:39
			EPO; JPO;	
			DERWENT;	[
			IBM_TDB	
16 '	7	"5335023" and buffer	USPAT;	2002/08/22
			US-PGPUB;	18:39
			EPO; JPO;	·
1	·		DERWENT;	. 1
			IBM TDB	- '
17	2	"5335023" and buffer same parallel	USPAT;	2002/08/22
		1	US-PGPUB;	18:40
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
18	2	"5335023" and buffer same parallel and	USPAT;	2002/08/22
		active near5 matrix	US-PGPUB;	18:40
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	1979	analog same buffer same parallel	USPAT;	2002/08/22
			US-PGPUB;	13:47
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į			IBM_TDB	
-	25849	analog same buffer same parallel samd	USPAT;	2002/08/22
		(active adj matrix)	US-PGPUB;	13:47
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-	12	1 F	USPAT;	2002/08/22
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			EPO; JPO;	
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